

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/24/2019 01:10 PM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123950	-1	5.33	123878	5.26
Blue	F	SSC	125000	123792	-1	4.60	124541	4.51
Blue	E	FITC	16122	15519	-4	4.99	339	21.36
Blue	D	PE	29316	28538	-3	4.77	624	16.20
Blue	B	PerCP-Cy5-5	42590	41987	-2	6.10	1131	22.35
Blue	A	PE-Cy7	33146	32133	-4	9.13	610	45.34
Red	C	APC	45473	44597	-2	3.94	1583	13.04
Red	A	APC-Cy7	31961	30708	-4	6.19	807	14.00
Violet	B	V450	7914	7482	-6	3.94	418	13.65
Violet	A	V500	29769	28531	-5	3.60	663	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20980	5.86	624	24	N/A	N/A	Pass
Blue	F	SSC	54992	4.59	557	19	N/A	N/A	Pass
Blue	E	FITC	62	67.07	548	11	0.0183	164	Pass
Blue	D	PE	128	56.24	551	14	0.1621	379	Pass
Blue	B	PerCP-Cy5-5	203	54.11	656	18	0.0078	48	Pass
Blue	A	PE-Cy7	109	116.20	716	25	0.0091	23	Pass
Red	C	APC	375	26.78	590	11	0.0219	147	Pass
Red	A	APC-Cy7	179	31.05	569	13	0.0048	948	Pass
Violet	B	V450	64	59.78	458	-2	0.0412	1585	Pass
Violet	A	V500	99	33.98	471	-1	0.0222	782	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-31.75	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.32	13.60 - 20.40	N/A	N/A	28.86	29.61	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9915

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments